



US008412707B1

(12) **United States Patent**
Mianji

(10) **Patent No.:** US 8,412,707 B1
(45) **Date of Patent:** Apr. 2, 2013

(54) **METHOD AND APPARATUS FOR DISTRIBUTING CONTENT**

(75) Inventor: **Marty Mianji**, Lake Oswego, OR (US)

(73) Assignee: **Ustringer LLC**, Lake Oswego, OR (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 293 days.

(21) Appl. No.: **12/485,037**

(22) Filed: **Jun. 15, 2009**

Related U.S. Application Data

(60) Provisional application No. 61/061,579, filed on Jun. 13, 2008.

(51) **Int. Cl.**

G06F 17/30 (2006.01)

(52) **U.S. Cl.** 707/736; 707/758; 707/769; 715/810; 715/853

(58) **Field of Classification Search** 707/758, 707/769, 736; 715/810, 853

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,925,608 B1	8/2005	Neale et al.
7,287,029 B1 *	10/2007	Craft et al. 1/1
7,505,989 B2	3/2009	Gardner et al.
7,664,760 B2 *	2/2010	Christian et al. 707/999.1
7,685,198 B2	3/2010	Xu et al.
7,836,411 B2 *	11/2010	Plow et al. 715/811
7,912,844 B2 *	3/2011	Boyle et al. 707/754
8,099,429 B2	1/2012	Deyo et al.
8,219,555 B1 *	7/2012	Mianji 707/736
2001/0039578 A1 *	11/2001	Tokumaru et al. 709/223
2002/0091696 A1 *	7/2002	Craft et al. 707/10
2002/0107829 A1 *	8/2002	Sigurjonsson et al. 707/1
2003/0135725 A1	7/2003	Schirmer et al.
2003/0167283 A1	9/2003	Remsen et al.

2005/0010867 A1	1/2005	Igata et al.
2007/0038995 A1 *	2/2007	Boyle et al. 717/177
2007/0067279 A1	3/2007	Bonabeau et al.
2007/0078832 A1 *	4/2007	Ott et al. 707/3
2007/0150519 A1	6/2007	Palacios
2007/0162411 A1	7/2007	Kupershmidt et al.
2007/0174247 A1	7/2007	Xu et al.
2008/0016052 A1	1/2008	Frieden
2008/0016072 A1	1/2008	Frieden et al.
2008/0016098 A1 *	1/2008	Frieden et al. 707/102
2008/0040181 A1	2/2008	Freire et al.

(Continued)

OTHER PUBLICATIONS

Chen, Hao, et al., "Bringing Order to the Web: Automatically Categorizing Search Results", CHI 2000, CHI Letters, vol. 2, Issue 1, Apr. 1-6, 2000, pp. 145-152.*

(Continued)

Primary Examiner — Jean M Corrielus

(74) **Attorney, Agent, or Firm** — Adeli & Tollen, LLP

(57) **ABSTRACT**

Some embodiments provide a system that provides a user interface (UI) for categorizing content. The UI includes (i) a first UI tool for receiving identification of a set of tags and associating the set of tags to the content and (ii) a second UI tool for receiving identifications of relationships between the tags within the set of tags in order to describe the content. In some embodiments, the set of tags includes one or more tag chains that are based on a hierarchy of the tags within the set of tags. In some embodiments, the set of tags includes one or more tag chains that are based on a set of operators. Each operator in the set identifies a relationship between two or more tags within the set of tags. In some embodiments, the UI also includes a UI tool for receiving content or presenting the list of content items through a communications network. In various embodiments, the communications network may be a network of networks (e.g., the Internet), a private network, a public network, a wireless cellular network, etc.

3 Claims, 29 Drawing Sheets

